I am Dhanraj from Mangalore. Currently I'm pursuing my B.E degree in Information Science and Engineering at NMAMIT Nitte.

About the Internship :

This internship has helped me a lot in overall development of my knowledge in Python and Machine Learning. I had a basic background of programming so the python basics was like a brush up and later on when we started dealing with machine learning concepts it was really interesting .

I think our tutor Mr Sobin sir made these topics look so simple and easy and also he made us understand how it works with simple and easy examples. Due to these the sessions became interesting and all through the sessions there were many things that I have learnt and also implemented most of them in the project. Thank you for such a nice experience…….

About the Project :

COVID-19 VACCINATION IN INDIA

Overview :

Using the datasets created by referring various sites it is possible to predict about the

1. Total number of confirmed cases
2. Total number of recovered cases
3. Total number of deaths
4. Number of people vaccinated (age wise , gender wise)
5. Type of vaccination
6. Total dosage administered

In India. Along with this we can also predict about each state wise situation in India. There is also

Machine learning model which is used to predict about the severity of Covid_19 in India.

There are three parts in the project .

1. Project1.py
2. Project3.py
3. Practice.py

Project1.py

This file contains the entire project . So basically what it does is it gives information about

1. Total number of confirmed cases
2. Total number of recovered cases
3. Total number of deaths
4. Number of people vaccinated (age wise , gender wise)
5. Type of vaccination
6. Total dosage administered

In India. Along with this we can also predict about each state wise situation in India. There is also

Machine learning model which is used to predict about the severity of Covid_19 in India.

Project3.py

This deals with the details information about COVID-19 situation in each and every state of India and gives the detailed information about

1. Total number of confirmed cases
2. Total number of recovered cases
3. Total number of deaths
4. Number of people vaccinated (age wise , gender wise)
5. Type of vaccination
6. Total dosage administered

Practice1.py

This part deals with the machine learning model . In this , a Logistic Regression model is created to predict the outcome . The feature set of the model are

1. Common symptoms
2. Less common symptoms
3. Severe symptoms
4. None

And the target set is Severity and it has four values

1. Mild
2. Moderate
3. None

4. Severe

Execution :

Run project1.py file

References:

1. https://miamioh.instructure.com/courses/38817/pages/creating-graphical-displays#:~:text=Vehicles%22)%20plt.-,show(),is%20'1.1f%25'.
2. https://www.w3schools.com/python/matplotlib_pie_charts.asp
3. https://dashboard.cowin.gov.in/
4. https://geographicinsights.iq.harvard.edu/IndiaVaccine
5. https://geographicinsights.iq.harvard.edu/IndiaVaccine
6. https://www.kaggle.com/iamhungundji/covid19-symptoms-checker
7. Stack Overflow for solving error

Github link : https://github.com/dhanrajdeeru/Covid_19.git